

CONTENTS

Volume 35 Number 1 1976

M. R. Landry The Structure of Marine Ecosystems: An Alternative	1	F. Blanc · P. Chardy · A. Laurec · J.-P. Reys Choix des métriques qualitatives en analyse d'inertie. Implications en écologie marine benthique. [Choice of Qualitative Indices in Inertia Analysis. Implications in Marine Benthic Ecology]	49
J. H. Steele The Role of Predation in Ecosystem Models	9	L. V. Sick Nutritional Effect of Five Species of Marine Algae on the Growth, Development, and Survival of the Brine Shrimp <i>Artemia salina</i>	69
M. Minas Production organique primaire dans un milieu saumâtre eutrophe (Etang de Berre). Effets d'une forte dilution (dérivation des eaux de la Durance). [Primary Organic Production in a Brackish Eutrophic Environment (Etang de Berre). Effects of Strong Dilution (Diversion of the Waters of the Durance)]	13	J. Mauchline The Hiatt Growth Diagram for Crustacea	79
P. J. Le B. Williams · C. S. Yentsch An Examination of Photosynthetic Production, Excretion of Photosynthetic Products, and Hetero- trophic Utilization of Dissolved Organic Compounds with Reference to Results from a Coastal Subtropical Sea	31	C. F. Phleger · J. Patton · P. Grimes · R. F. Lee Fish-Bone Oil: Percent Total Body Lipid and Carbon-14 Uptake Following Feeding of $1-^{14}\text{C}$ - Palmitic Acid	85
P. J. Le B. Williams · T. Berman · O. Holm-Hansen Amino Acid Uptake and Respiration by Marine Heterotrophs	41	J. H. Martin · P. D. Elliott · V. C. Anderlini · D. Girvin · S. A. Jacobs · R. W. Risebrough · R. L. Delong · W. G. Gilmartin Mercury-Selenium-Bromine Imbalance in Premature Parturient California Sea Lions	91

Volume 35 Number 2 1976

K. F. Ehrlich · J. H. S. Blaxter · R. Pemberton Morphological and Histological Changes during the Growth and Starvation of Herring and Plaice Larvae	105	G. A. Heslinga Effects of Copper on the Coral-Reef Echinoid <i>Echinometra mathaei</i>	155
D. V. Ward · B. L. Howes · D. F. Ludwig Interactive Effects of Predation Pressure and Insecticide (Temefos) Toxicity on Populations of the Marsh Fiddler Crab <i>Uca pugnax</i>	119	J. S. Wroblewski · J. J. O'Brien A Spatial Model of Phytoplankton Patchiness	161
V. S. Kennedy Desiccation, Higher Temperatures and Upper Intertidal Limits of Three Species of Sea Mussels (Mollusca: Bivalvia) in New Zealand	127	P. J. Harrison · H. L. Conway · R. C. Dugdale Marine Diatoms Grown in Chemostats under Silicate or Ammonium Limitation. I. Cellular Chemical Composition and Steady-State Growth Kinetics of <i>Skeletonema costatum</i>	177
Mahmud Ahmad · J. A. Beardmore Genetic Evidence that the "Padstow Mussel" is <i>Mytilus galloprovincialis</i>	139	H. L. Conway · P. J. Harrison · C. O. Davis Marine Diatoms Grown in Chemostats under Silicate or Ammonium Limitation. II. Transient Response of <i>Skeletonema costatum</i> to a Single Addition of the Limiting Nutrient	187
E. G. Ruby · D. L. Fox Anaerobic Respiration in the Polychaete <i>Euzonus</i> (<i>Thoracophelia</i>) <i>mucronata</i>	149		

Volume 35 Number 3 1976

M. Elbrächter Population Dynamic Studies on Phytoplankton Cultures	201	B. Velimirov · E. L. Böhm Calcium and Magnesium Carbonate Concentrations in Different Growth Regions of Gorgonians	269
A. Herbland · J. Pagès Note on the Variability of Heterotrophic Activity Measurements by the ¹⁴ C Method in Sea Water	211	A. I. Payne The Relative Abundance and Feeding Habits of the Grey Mullet Species Occurring in an Estuary in Sierra Leone, West Africa	277
J. N. Kraeuter Biodeposition by Salt-Marsh Invertebrates	215	M. S. Gordon · B. W. Belman · P. H. Chow Comparative Studies on the Metabolism of Shallow-Water and Deep-Sea Marine Fishes. IV. Patterns of Aerobic Metabolism in the Mesopelagic Deep-Sea Fangtooth Fish <i>Anoplogaster cornuta</i>	287
A. A. Reimer Description of a <i>Tetracrita stalactifera panamensis</i> Community on a Rocky Intertidal Pacific Shore of Panama	225	O. Kinne Editorial Note	294
A. A. Reimer Succession of Invertebrates in Vacant Tests of <i>Tetracrita stalactifera panamensis</i>	239		
W. M. Goldberg Comparative Study of the Chemistry and Structure of Gorgonian and Antipatharian Coral Skeletons	253		

Volume 35 Number 4 1976

D. P. Middaugh · P. W. Lempesis Laboratory Spawning and Rearing of a Marine Fish, the Silverside <i>Menidia menidia menidia</i>	295	K. L. Heck, Jr. Community Structure and the Effects of Pollution in Sea-Grass Meadows and Adjacent Habitats	345
J. D. McEachran · D. F. Boesch · J. A. Musick Food Division within Two Sympatric Species-Pairs of Skates (Pisces: Rajidae)	301	D. R. Heinle · D. A. Flemer Flows of Materials between Poorly Flooded Tidal Marshes and an Estuary	359
M. W. Flowerdew · D. J. Crisp Allelic Esterase Isozymes, Their Variation with Season, Position on the Shore and Stage of Development in the Cirripede <i>Balanus balanoides</i>	319	K. Gocke Respiration von gelösten organischen Verbindungen durch natürliche Mikroorganismen-Populationen. Ein Vergleich zwischen verschiedenen Biotopen. [Respiration of Dissolved Organic Compounds by Natural Populations of Microorganisms. A Comparison between Different Biotopes]	375
C. Heip · N. Smol Influence of Temperature on the Reproductive Potential of Two Brackish-Water Harpacticoids (Crustacea: Copepoda)	327		
K. A. Mitchell Shell Selection in the Hermit Crab <i>Pagurus bernhardus</i>	335		
		Indexed in Current Contents	

9

7

7

4

5

9

5